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Methods and Apparatus for the Production of Optical Filters

Abstract

5 Methods are provided for production of optical filters that include alternating
exposures of a surface of a substrate to two or more precursors that combine to form a
sublayer on the surface. A measurement light flux is provided to measure an optical
property of the sublayer or an assemblage of sublayers. Based on the measurement, the
number of sublayers is selected to produce an optical filter, such as a Fabry-Perot filter,
having predetermined properties.